



# ***Nantucket Memorial Airport Master Plan Update***

## ***Appendix 6– Traffic Report***



**2015**

Prepared for:  
**Nantucket Memorial Airport Commission**

Prepared By

**JACOBS™**

Jacobs Engineering

In association with



**Robin Lee Monroe & Associates**





## **Appendix 6 – Traffic Report**



# **Nantucket Airport Traffic Analysis Report**

**Nantucket, MA**

**January 17, 2014**

SUBMITTED BY:

**Jacobs**

343 Congress Street  
Boston, Massachusetts 02210

**JACOBS®**

## Introduction

This traffic impact study for the Nantucket Memorial Airport examines current (2013) traffic volumes and operating conditions and compares them to historical (2002) traffic volumes and operating conditions along roadways providing access to the Nantucket Memorial Airport. Crash data at the study area intersections has been obtained from the MassDOT for the years 2009 to 2011 and is summarized in this report.

## Existing Conditions

Existing roadway and traffic conditions were determined for the project study area. The project site with respect to the local roadway system is shown in Figure 1. The existing conditions analysis is based on traffic counts and field conditions. Information collected regarding roadway geometric conditions, traffic control, traffic volumes and peak period traffic operations are described below.

## Study Area

The study area for the traffic study includes the critical intersections and roadways providing access to the Airport. The study area evaluated within this report includes Macy Lane, and Old South Road. Specifically, the study area includes the following intersections:

- Airport Entrance at Macy lane
- Airport Exit at Macy lane
- Old South Road at Macy Lane

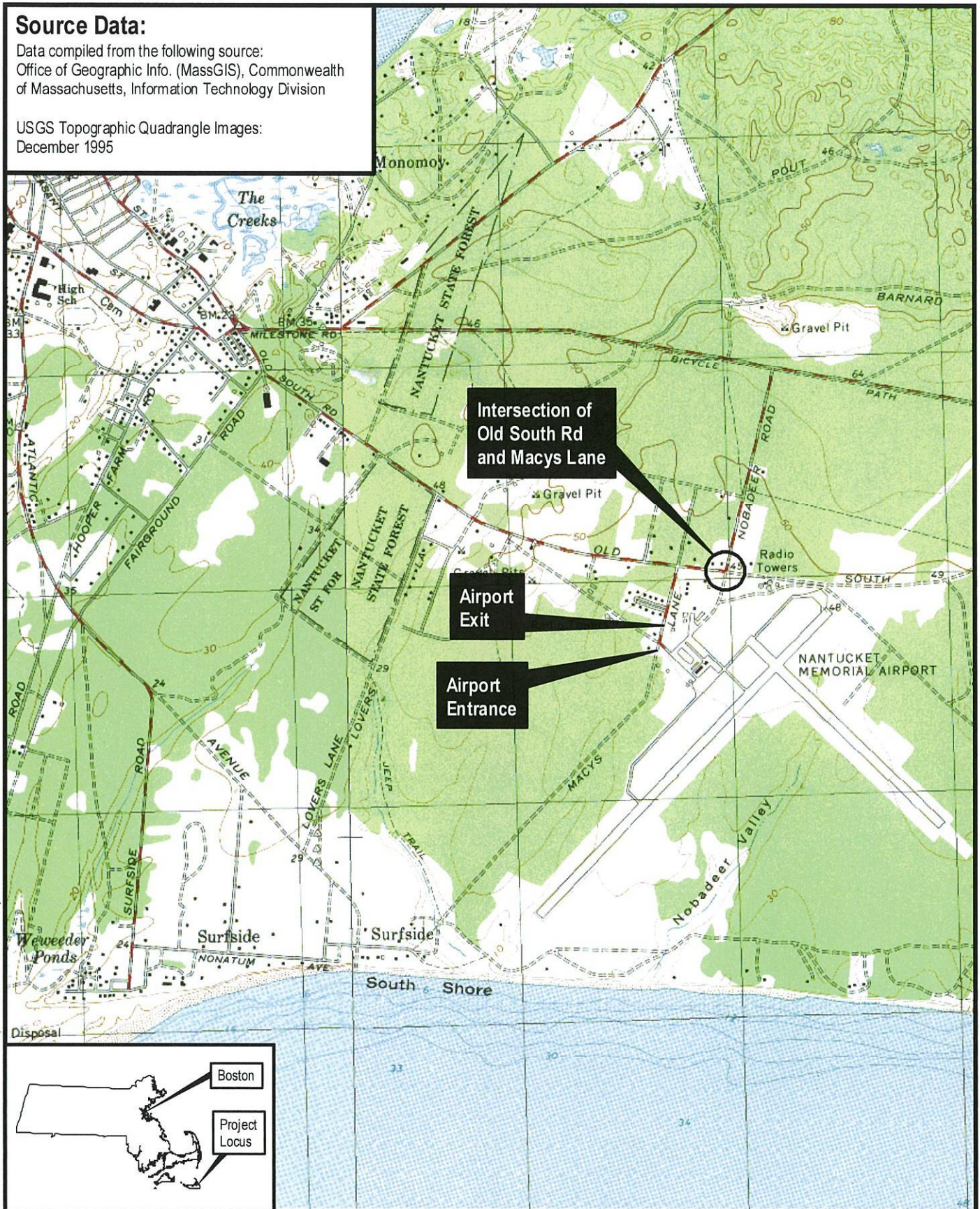
## Roadway Network

Macy Lane is a two lane north south collector type road with no shoulders that provides access to Old South road to the north of the airport and Nobadeer Beach to the south of the airport. It is the only public vehicular access route to the airport. Posted speed is 30 mph. Land use along Macy Lane is primarily commercial/industrial around the airport and large lot residential to the south of the airport.

Old South Road is an east west collector type road that intersects with Macy Lane approximately 1000 feet north of the airport driveways. It is a two-lane road that forms a rotary at the intersection of Milestone Road 1.8 miles to the west. Land use is primarily light commercial with single family residential to the north of the road. Speed limit on the road is 35 mph.



USGS Topographic Quadrangle Images:  
December 1995



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Approx. Scale: 1" = 2,000'

# USGS Project Locus

## Nantucket Airport

### Traffic Analysis Report

#### Nantucket, MA

Figure 1



## Intersections

### Airport Driveways at Macy Lane

The main airport access road provides one-way circular flow around the main parking lot as shown in Figure 2. There are two driveways along Macy Lane; the one to the south is used as the entrance, and the one to the north is used as the exit. Each driveway has one lane. Employee parking has a separate entrance/exit on Macy Lane, located opposite the main airport entrance.

### Macy Lane at Old South Road

The intersection of Macy Lane and Old South Road is a four-way intersection with STOP sign control on all approaches. This intersection is proximate to the airport, which is located approximately 1,000 feet south on Macy Lane. Each approach of the intersection accommodates one general-purpose lane serving all turning movements. Pavement markings are clearly delineated with double yellow center lines on the north, east and west approaches to the intersection. Cross walks are located on the north and east approaches. This intersection previously operated under two-way stop control on the Macy Street approaches. The intersection is shown in Figure 3.

## Motor Vehicle Crash Data

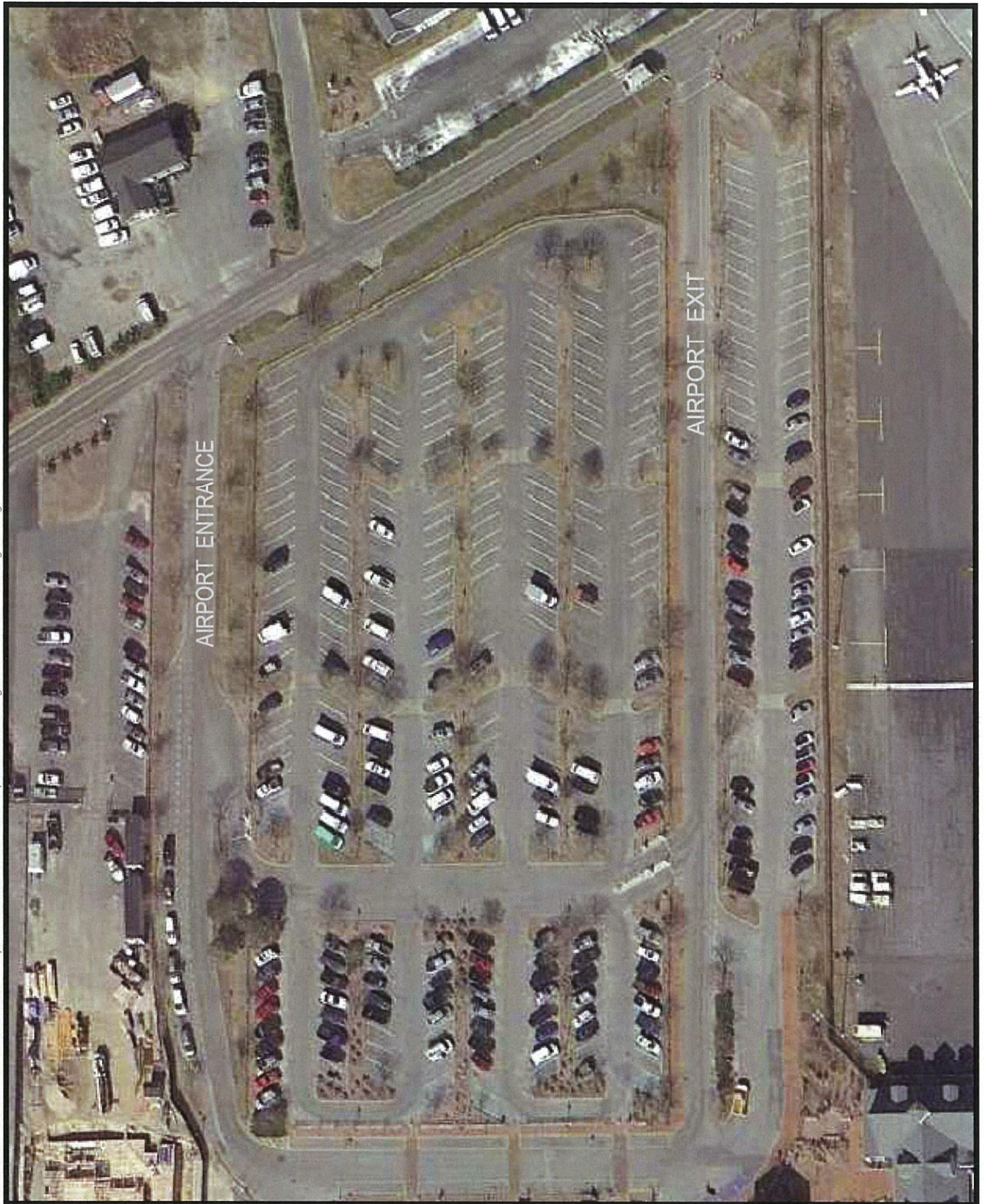
Motor vehicle crash information for the study area intersections was provided by the MassDOT Highway Division Safety management/traffic Operations Unit for the most recent three-year period available (2009 through 2011 inclusive) in order to examine motor vehicle crash trends occurring within the study area. No crashes were reported at either of the Airport Entrance and Airport Exit driveways at Macy Lane and one crash was reported in 2009 and 2011 at the Macy Lane/Old South Road intersection. Both crashes were property damage only, occurred during daylight and clear conditions. One crash was a rear-end and the other was a side-swipe crash. Based on two crashes over a three year period, there is no identifiable trend of motor vehicle crashes taking place.

## Traffic Volumes

Base traffic conditions within the study area were developed by collecting automatic traffic recorder (ATR) and manual turning movement (TMC) counts at the study locations during the peak summer months. ATR counts were collected at the airport entrance and airport exit for a 4 day period from Friday August 30, 2013 to Monday September 2, 2013. A TMC was conducted at the intersection of Macy Lane and Old South Road from 9:00 AM to 11:00 AM and 4:00 PM to 8:00 PM on Friday, August 30, 2013. The typical morning peak hour was not used in this analysis because activity at the airport is low during that time period. Previous counts were taken in these areas in 2002.



Jan 16, 2014 - 2:26pm - USER tvalencia  
P:\NANTUCKET AIRPORT\2013\267300\600 Discipline Files\610 Studies and Reports\Traffic\Figure 2 - Aerial - Parking Lot.dwg



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Approx. Scale: NTS

## AIRPORT DRIVEWAYS

Nantucket Airport  
Traffic Analysis Report  
Nantucket, MA

**Figure 2**



Jan 16, 2014 - 1:57pm - USER tvalencia  
C:\Users\tvalencia\opdata\local\temp\AcPublish\_6020\Figure 3 - Aerial - Macy Lane and Old South.dwg



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Approx. Scale: NTS

## MACY LANE AT OLD SOUTH ROAD

Nantucket Airport  
Traffic Analysis Report  
Nantucket, MA

**Figure 3**

Seasonal traffic is significantly higher during the summer months due to tourist activity on the island, therefore, in order to provide peak existing summertime conditions, the observed traffic volumes were used with no adjustment.

Figure 4 shows the 2013 Peak Hour Traffic Turning Movements and Table 1 below shows the 2002 and 2013 hourly and daily traffic volumes as well as the percent change over the two time periods.

Table 1 - Traffic Volumes:

<u>Midday</u>		2002	2013	% Change Per Year
Location	Direction	Midday Peak Hour	Midday Peak Hour	
Airport Entrance	Eastbound	<u>207</u>	<u>251</u>	1.77%
	Total	207	251	
Airport Exit	Westbound	<u>245</u>	<u>239</u>	-0.23%
	Total	245	239	
Macy Lane (North of Airport)	Northbound	309	284	-0.76%
	Southbound	<u>317</u>	<u>241</u>	<u>-2.46%</u>
	Total	626	525	-1.59%
Old South Road (West of Macy Lane)	Eastbound	596	352	-4.67%
	Westbound	<u>626</u>	<u>372</u>	<u>-4.62%</u>
	Total	1,222	724	-4.65%
<u>PM Peak</u>		2002	2013	% Change Per Year
Location	Direction	PM Peak Hour	PM Peak Hour	
Airport Entrance	Eastbound	<u>195</u>	<u>130</u>	-3.62%
	Total	195	130	
Airport Exit	Westbound	<u>213</u>	<u>146</u>	-3.38%
	Total	213	146	
Macy Lane (North of Airport)	Northbound	275	234	-1.46%
	Southbound	<u>323</u>	<u>260</u>	<u>-1.95%</u>
	Total	598	494	-1.72%
Old South Road (West of Macy Lane)	Eastbound	603	410	-3.45%
	Westbound	<u>597</u>	<u>404</u>	<u>-3.49%</u>
	Total	1,200	814	-3.47%

### Daily

<u>Location</u>	<u>Direction</u>	<u>2002 Daily</u>	<u>2013 Daily</u>	<u>% Change Per Year</u>
Airport Entrance	Eastbound	<u>2,881</u>	<u>2,261</u>	-2.18%
	Total	2,881	2,261	
Airport Exit	Westbound	<u>3,399</u>	<u>2,303</u>	-3.48%
		3,399	2,303	
Macy Lane (North of Airport)	Northbound	4,205	2,840	-3.51%
	Southbound	<u>4,122</u>	<u>2,410</u>	<u>-4.76%</u>
	Total	8,327	5,250	-4.11%
Old South Road (West of Macy Lane)	Eastbound	7,829	4,100	-5.71%
	Westbound	<u>7,601</u>	<u>4,040</u>	<u>-5.58%</u>
	Total	15,430	8,140	-5.65%

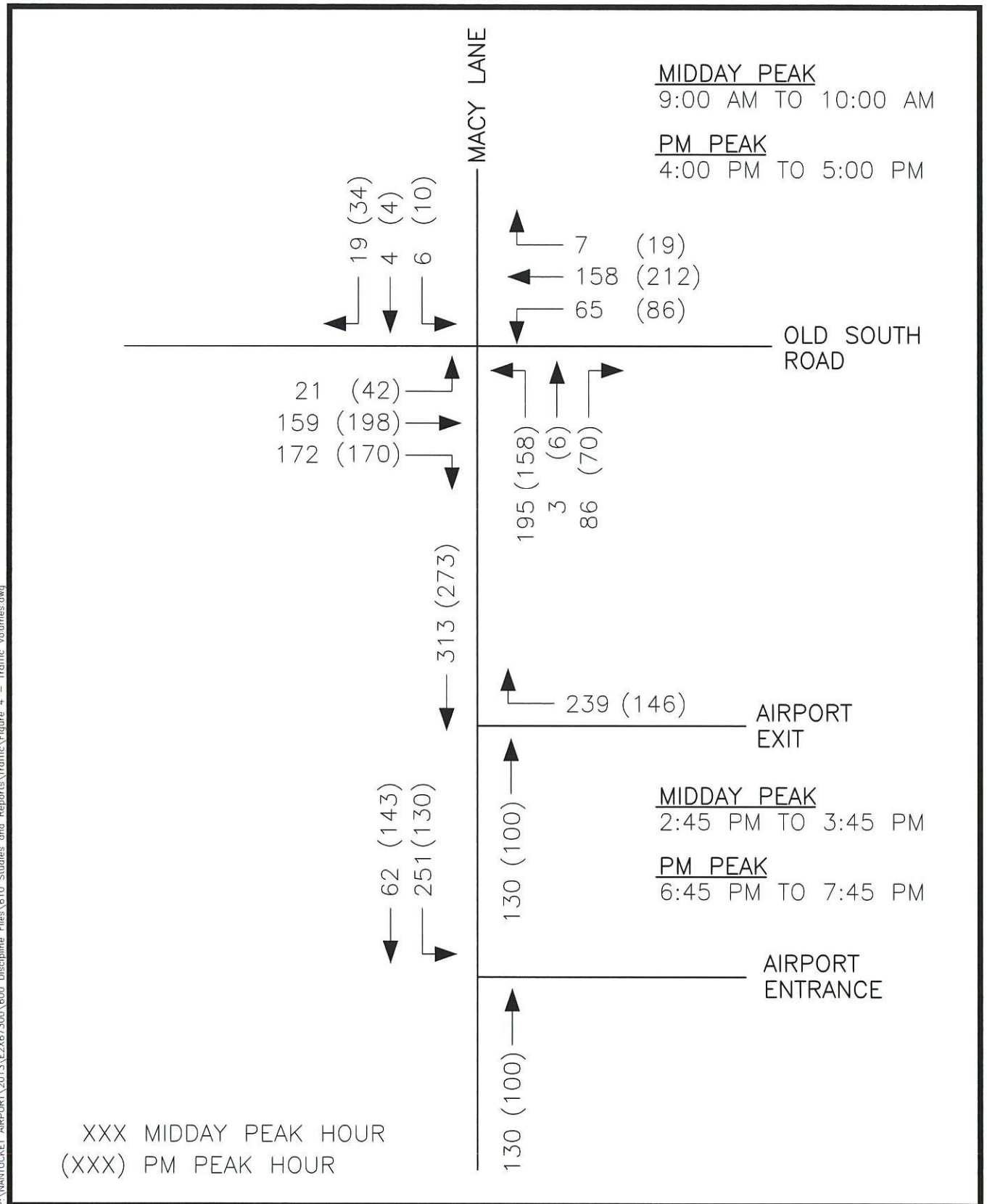
Source: 2002 volumes: Traffic Impact Study Nantucket Memorial Airport  
2013 volumes: Airport Entrance and Exit from 2013 Automatic Traffic Recorder Counts (ATR), Macy Lane and Old South Road 2013 Turning Movement Counts (TMC), 2013 Daily volumes for 2013 Macy Lane and Old South Road determined by assuming k factor of 10% of peak hour.

### Traffic Operations

Existing peak summer traffic operations in the traffic study area were assessed from both a quantitative and qualitative perspective for the midday and PM peak hours. The qualitative analysis is based on field observations made during peak traffic periods, while the quantitative analysis is based on calculated intersection operating levels of service as described in greater detail below.



Jan 16, 2014 - 1:01pm - USER: tvolencia  
P:\NANTUCKET AIRPORT\2013\EX267300\600 Discipline Files\610 Studies and Reports\Traffic\Figure 4 - Traffic Volumes.dwg



**JACOBS**



Approx. Scale: NTS

## 2013 EXISTING PEAK HOUR VOLUMES

Nantucket Airport  
Traffic Analysis Report  
Nantucket, MA

**Figure 4**



### Level of Service Criteria

Level of Service (LOS) is a term used to describe the quality of the traffic flow on a roadway at a particular point in time. It is an aggregate measure of travel delay, travel speed, congestion, driver discomfort, convenience, and safety based on a comparison of roadway facility capacity to travel demand. Operating levels of service are reported on a scale of A to F, with Level of Service A representing the best operating conditions and Level of Service F representing the worst operating conditions. Level of Service A represents free-flow conditions with little or no traffic delays, while Level of Service F represents a forced-flow condition with long delays and traffic demands routinely exceeding roadway capacity.

Roadway operating levels of service are calculated following procedures defined in the 2010 Highway Capacity Manual, published by the Transportation Research Board. Delay criteria for unsignalized intersections are calculated for the side street or minor street approach and for left turns from the major street. The specific criteria applied per 2000 Highway Capacity Manual are summarized in table xxx2.

Table 2  
Level of Service Criteria (Unsignalized Intersections)

Level of Service	Delay (Sec./Veh.)
A	<10
B	10 to 15
C	15 to 25
D	25 to 35
E	35 to 50
F	>50

### Intersection Operating Conditions (Summer Peak)

Procedures described in the 2010 Highway Capacity Manual (HCM) were used to determine existing peak summer operating levels of service at the study area intersections. Analysis results are based on data collected during peak summer conditions. The results, based on the traffic volume and roadway conditions presented, indicate that all locations operate at an acceptable level of service. The airport driveways operate at LOS A while the intersection of Macy Lane and Old South road operates at LOS B or C depending on the approach. While the change from two-way to four-way stop control has decreased delay on the Macy Lane approaches, it has increased delay on the Old South Road approaches. Tables 3 & 4 indicates the current level of service and the existing level of service from 2002.

Table 3 Existing Peak Summer Level of Service Summary – Midday Peak Hour

Location	Movement	2002			2013		
		V/C	Delay	LOS	V/C	Delay	LOS
Macy Lane at Old South Road	Old South Road EB Left-Thru-Right	0.01	7.7	A	0.617	17.2	C
	Old South Road WB Left-Thru-Right	0.06	8.2	A	0.495	15	B
	Macy Lane NB Left-Thru-Right	0.79	42.5	E	0.621	18.2	C
	Macy Lane SB Left-Thru-Right	0.08	12.1	B	0.08	10.1	B
Macy Lane at Airport Entrance	Macy Lane SB Left-Thru	N/A	N/A	N/A	0.095	7.7	A
Macy Lane at Airport Exit	Airport Exit WB Left - Right	N/A	N/A	N/A	0.289	10.6	B

Table 4 Existing Peak Summer Level of Service Summary – PM Peak Hour

Location	Movement	2002			2013		
		V/C	Delay	LOS	V/C	Delay	LOS
Macy Lane at Old South Road	Old South Road EB Left-Thru-Right	0.03	7.8	A	0.621	17	C
	Old South Road WB Left-Thru-Right	0.09	8.4	A	0.565	15.8	C
	Macy Lane NB Left-Thru-Right	0.95	77	F	0.472	14.4	B
	Macy Lane SB Left-Thru-Right	0.07	13.1	B	0.107	10.2	B
Macy Lane at Airport Entrance	Macy Lane SB Left - Thru	N/A	N/A	N/A	0.095	7.7	A
Macy Lane at Airport Exit	Airport Exit WB Left - Right	N/A	N/A	N/A	0.17	9.6	A

N/A = Not available, Airport Entrance SB analyzed with exclusive left lane to determine effect of left turning vehicles on the approach.

## Conclusions

Jacobs (formerly Edwards and Kelcey) recommended the implementation of a four-way stop sign at the Macy Lane/Old South Road intersection in the 2002 Traffic and Transportation Infrastructure Report. The four-way stop has been implemented and the future 2007 capacity analysis results from the report closely match the current 2013 traffic level of service and delays. Traffic volumes since 2002 have decreased as much as to 4.65% per year on each approach since 2002. The study area intersections are capable of handling increased traffic volumes as originally projected in the 2002 report.

# Traffic Counts

N/S: Macy Lane/ Airport Road  
 E/W: Old South Road  
 City, State: Nantucket, MA  
 Client: Jacobs/ P. Vasiliou



File Name : 133493 A  
 Site Code : E2X67300  
 Start Date : 8/30/2013  
 Page No : 1

Groups Printed- Cars

	Macy Lane From North				Old South Road From East				Airport Road From South				Old South Road From West				Int. Total
Start Time	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
09:00 AM	8	0	3	0	2	42	23	0	22	1	59	0	50	45	5	0	260
09:15 AM	2	2	2	0	1	26	14	0	26	0	66	0	43	35	9	0	226
09:30 AM	1	1	1	0	1	37	13	0	15	1	41	0	34	31	3	0	179
09:45 AM	8	0	0	0	2	37	10	0	20	1	26	0	39	35	4	0	182
Total	19	3	6	0	6	142	60	0	83	3	192	0	166	146	21	0	847
10:00 AM	5	0	1	0	1	20	12	0	10	0	41	0	23	30	3	0	146
10:15 AM	6	0	3	0	1	28	13	0	19	0	26	0	31	43	3	0	173
10:30 AM	6	1	2	0	1	36	9	0	14	2	27	0	30	35	4	0	167
10:45 AM	6	0	1	0	1	32	30	0	13	0	47	0	40	34	3	0	207
Total	23	1	7	0	4	116	64	0	56	2	141	0	124	142	13	0	693
Grand Total	42	4	13	0	10	258	124	0	139	5	333	0	290	288	34	0	1540
Apprch %	71.2	6.8	22	0	2.6	65.8	31.6	0	29.1	1	69.8	0	47.4	47.1	5.6	0	
Total %	2.7	0.3	0.8	0	0.6	16.8	8.1	0	9	0.3	21.6	0	18.8	18.7	2.2	0	

	Macy Lane From North					Old South Road From East					Airport Road From South					Old South Road From West					Int. Total
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
Peak Hour Analysis From 09:00 AM to 10:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 09:00 AM																					
09:00 AM	8	0	3	0	11	2	42	23	0	67	22	1	59	0	82	50	45	5	0	100	260
09:15 AM	2	2	2	0	6	1	26	14	0	41	26	0	66	0	92	43	35	9	0	87	226
09:30 AM	1	1	1	0	3	1	37	13	0	51	15	1	41	0	57	34	31	3	0	68	179
09:45 AM	8	0	0	0	8	2	37	10	0	49	20	1	26	0	47	39	35	4	0	78	182
Total Volume	19	3	6	0	28	6	142	60	0	208	83	3	192	0	278	166	146	21	0	333	847
% App. Total	67.9	10.7	21.4	0		2.9	68.3	28.8	0		29.9	1.1	69.1	0		49.8	43.8	6.3	0		
PHF	.594	.375	.500	.000	.636	.750	.845	.652	.000	.776	.798	.750	.727	.000	.755	.830	.811	.583	.000	.833	.814



N/S: Macy Lane/ Airport Road  
 E/W: Old South Road  
 City, State: Nantucket, MA  
 Client: Jacobs/ P. Vasilou



PRECISION  
 D A T A  
 INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdillc.com

File Name : 133493 A  
 Site Code : E2X67300  
 Start Date : 8/30/2013  
 Page No : 1

Groups Printed- Heavy Vehicles

	Macy Lane From North				Old South Road From East				Airport Road From South				Old South Road From West				Int. Total
Start Time	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
09:00 AM	0	0	0	0	0	6	0	0	0	0	1	0	0	0	0	0	7
09:15 AM	0	0	0	0	0	1	2	0	2	0	1	0	0	3	0	0	9
09:30 AM	0	0	0	0	0	3	2	0	0	0	1	0	5	3	0	0	14
09:45 AM	0	1	0	0	1	6	1	0	1	0	0	0	1	7	0	0	18
Total	0	1	0	0	1	16	5	0	3	0	3	0	6	13	0	0	48
10:00 AM	1	0	0	0	0	4	0	0	0	0	2	0	2	1	0	0	10
10:15 AM	0	0	0	0	0	2	0	0	1	0	1	0	1	5	0	0	10
10:30 AM	0	0	0	0	0	6	2	0	0	0	3	0	2	1	0	0	14
10:45 AM	0	0	0	0	1	6	0	0	1	0	0	0	2	2	0	0	12
Total	1	0	0	0	1	18	2	0	2	0	6	0	7	9	0	0	46
Grand Total	1	1	0	0	2	34	7	0	5	0	9	0	13	22	0	0	94
Apprch %	50	50	0	0	4.7	79.1	16.3	0	35.7	0	64.3	0	37.1	62.9	0	0	
Total %	1.1	1.1	0	0	2.1	36.2	7.4	0	5.3	0	9.6	0	13.8	23.4	0	0	

	Macy Lane From North					Old South Road From East					Airport Road From South					Old South Road From West					Int. Total
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
Peak Hour Analysis From 09:00 AM to 10:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 09:30 AM																					
09:30 AM	0	0	0	0	0	0	3	2	0	5	0	0	1	0	1	5	3	0	0	8	14
09:45 AM	0	1	0	0	1	1	6	1	0	8	1	0	0	0	1	1	7	0	0	8	18
10:00 AM	1	0	0	0	1	0	4	0	0	4	0	0	2	0	2	2	1	0	0	3	10
10:15 AM	0	0	0	0	0	0	2	0	0	2	1	0	1	0	2	1	5	0	0	6	10
Total Volume	1	1	0	0	2	1	15	3	0	19	2	0	4	0	6	9	16	0	0	25	52
% App. Total	50	50	0	0		5.3	78.9	15.8	0		33.3	0	66.7	0		36	64	0	0		
PHF	.250	.250	.000	.000	.500	.250	.625	.375	.000	.594	.500	.000	.500	.000	.750	.450	.571	.000	.000	.781	.722

N/S: Macy Lane/ Airport Road

E/W: Old South Road

City, State: Nantucket, MA

Client: Jacobs/ P. Vasiliou



PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
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Email: datarequests@pdillc.com

File Name : 133493 A

Site Code : E2X67300

Start Date : 8/30/2013

Page No : 1

Groups Printed- Cars - Heavy Vehicles

Start Time	Macy Lane From North				Old South Road From East				Airport Road From South				Old South Road From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
09:00 AM	8	0	3	0	2	48	23	0	22	1	60	0	50	45	5	0	267
09:15 AM	2	2	2	0	1	27	16	0	28	0	67	0	43	38	9	0	235
09:30 AM	1	1	1	0	1	40	15	0	15	1	42	0	39	34	3	0	193
09:45 AM	8	1	0	0	3	43	11	0	21	1	26	0	40	42	4	0	200
Total	19	4	6	0	7	158	65	0	86	3	195	0	172	159	21	0	895
10:00 AM	6	0	1	0	1	24	12	0	10	0	43	0	25	31	3	0	156
10:15 AM	6	0	3	0	1	30	13	0	20	0	27	0	32	48	3	0	183
10:30 AM	6	1	2	0	1	42	11	0	14	2	30	0	32	36	4	0	181
10:45 AM	6	0	1	0	2	38	30	0	14	0	47	0	42	36	3	0	219
Total	24	1	7	0	5	134	66	0	58	2	147	0	131	151	13	0	739
Grand Total	43	5	13	0	12	292	131	0	144	5	342	0	303	310	34	0	1634
Apprch %	70.5	8.2	21.3	0	2.8	67.1	30.1	0	29.3	1	69.7	0	46.8	47.9	5.3	0	
Total %	2.6	0.3	0.8	0	0.7	17.9	8	0	8.8	0.3	20.9	0	18.5	19	2.1	0	
Cars	42	4	13	0	10	258	124	0	139	5	333	0	290	288	34	0	1540
% Cars	97.7	80	100	0	83.3	88.4	94.7	0	96.5	100	97.4	0	95.7	92.9	100	0	94.2
Heavy Vehicles	1	1	0	0	2	34	7	0	5	0	9	0	13	22	0	0	94
% Heavy Vehicles	2.3	20	0	0	16.7	11.6	5.3	0	3.5	0	2.6	0	4.3	7.1	0	0	5.8

	Macy Lane From North					Old South Road From East					Airport Road From South					Old South Road From West					
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total
Peak Hour Analysis From 09:00 AM to 10:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 09:00 AM																					
09:00 AM	8	0	3	0	11	2	48	23	0	73	22	1	60	0	83	50	45	5	0	100	267
09:15 AM	2	2	2	0	6	1	27	16	0	44	28	0	67	0	95	43	38	9	0	90	235
09:30 AM	1	1	1	0	3	1	40	15	0	56	15	1	42	0	58	39	34	3	0	76	193
09:45 AM	8	1	0	0	9	3	43	11	0	57	21	1	26	0	48	40	42	4	0	86	200
Total Volume	19	4	6	0	29	7	158	65	0	230	86	3	195	0	284	172	159	21	0	352	895
% App. Total	65.5	13.8	20.7	0		3	68.7	28.3	0		30.3	1.1	68.7	0		48.9	45.2	6	0		
PHF	.594	.500	.500	.000	.659	.583	.823	.707	.000	.788	.768	.750	.728	.000	.747	.860	.883	.583	.000	.880	.838
Cars	19	3	6	0	28	6	142	60	0	208	83	3	192	0	278	166	146	21	0	333	847
% Cars	100	75.0	100	0	96.6	85.7	89.9	92.3	0	90.4	96.5	100	98.5	0	97.9	96.5	91.8	100	0	94.6	94.6
Heavy Vehicles	0	1	0	0	1	1	16	5	0	22	3	0	3	0	6	6	13	0	0	19	48
% Heavy Vehicles	0	25.0	0	0	3.4	14.3	10.1	7.7	0	9.6	3.5	0	1.5	0	2.1	3.5	8.2	0	0	5.4	5.4



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File Name : 133493 A  
Site Code : E2X67300  
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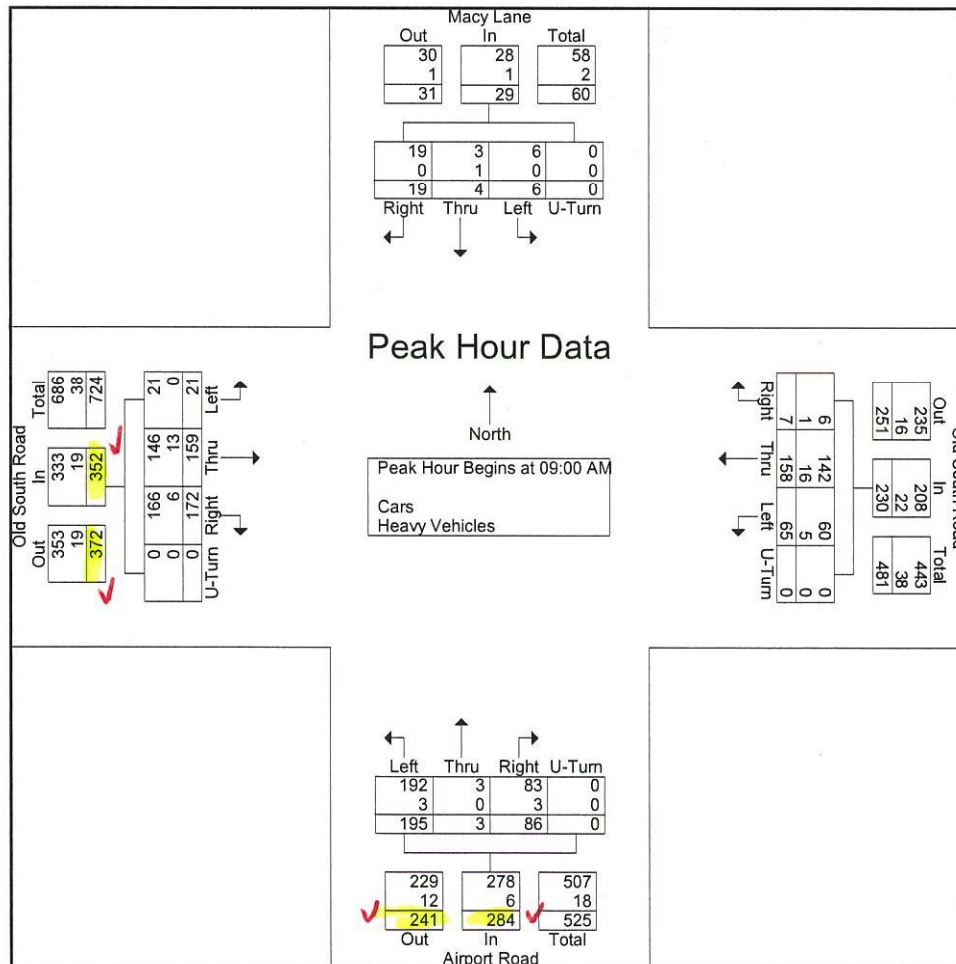
[illegible]

N/S: Macy Lane/ Airport Road  
 E/W: Old South Road  
 City, State: Nantucket, MA  
 Client: Jacobs/ P. Vasiliou



File Name : 133493 A  
 Site Code : E2X67300  
 Start Date : 8/30/2013  
 Page No : 1

	Macy Lane From North					Old South Road From East					Airport Road From South					Old South Road From West					
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total
Peak Hour Analysis From 09:00 AM to 10:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 09:00 AM																					
09:00 AM	8	0	3	0	11	2	48	23	0	73	22	1	60	0	83	50	45	5	0	100	267
09:15 AM	2	2	2	0	6	1	27	16	0	44	28	0	67	0	95	43	38	9	0	90	235
09:30 AM	1	1	1	0	3	1	40	15	0	56	15	1	42	0	58	39	34	3	0	76	193
09:45 AM	8	1	0	0	9	3	43	11	0	57	21	1	26	0	48	40	42	4	0	86	200
Total Volume	19	4	6	0	29	7	158	65	0	230	86	3	195	0	284	172	159	21	0	352	895
% App. Total	65.5	13.8	20.7	0		3	68.7	28.3	0		30.3	1.1	68.7	0		48.9	45.2	6	0		
PHF	.594	.500	.500	.000	.659	.583	.823	.707	.000	.788	.768	.750	.728	.000	.747	.860	.883	.583	.000	.880	.838
Cars	19	3	6	0	28	6	142	60	0	208	83	3	192	0	278	166	146	21	0	333	847
% Cars	100	75.0	100	0	96.6	85.7	89.9	92.3	0	90.4	96.5	100	98.5	0	97.9	96.5	91.8	100	0	94.6	94.6
Heavy Vehicles	0	1	0	0	1	1	16	5	0	22	3	0	3	0	6	6	13	0	0	19	48
% Heavy Vehicles	0	25.0	0	0	3.4	14.3	10.1	7.7	0	9.6	3.5	0	1.5	0	2.1	3.5	8.2	0	0	5.4	5.4



N/S: Macy Lane/ Airport Road  
 E/W: Old South Road  
 City, State: Nantucket, MA  
 Client: Jacobs/ P. Vasiliou



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File Name : 133493 AA  
 Site Code : E2X67300  
 Start Date : 8/30/2013  
 Page No : 1

Groups Printed- Cars

	Macy Lane From North				Old South Road From East				Airport Road From South				Old South Road From West				Int. Total
Start Time	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
04:00 PM	12	0	3	0	6	54	19	0	18	2	33	0	36	52	9	0	244
04:15 PM	6	1	2	0	8	52	25	0	11	1	40	0	44	44	12	0	246
04:30 PM	9	1	1	0	1	64	22	0	21	0	35	0	44	41	12	0	251
04:45 PM	5	2	4	0	4	37	19	0	20	3	47	0	40	51	8	0	240
Total	32	4	10	0	19	207	85	0	70	6	155	0	164	188	41	0	981
05:00 PM	5	0	0	0	1	46	16	0	9	2	41	0	36	47	7	0	210
05:15 PM	10	0	2	0	3	39	21	0	11	2	50	0	55	41	7	0	241
05:30 PM	6	2	2	0	4	35	15	0	15	0	48	0	46	41	11	0	225
05:45 PM	15	1	3	0	3	42	16	0	17	2	45	0	42	33	13	0	232
Total	36	3	7	0	11	162	68	0	52	6	184	0	179	162	38	0	908
06:00 PM	7	2	3	0	2	30	10	0	17	0	38	0	50	29	7	0	195
06:15 PM	5	2	5	0	2	18	16	0	9	3	41	0	44	27	14	0	186
06:30 PM	7	3	3	0	5	37	12	0	19	3	51	0	34	35	7	0	216
06:45 PM	12	1	4	0	1	25	13	0	19	4	40	0	32	18	9	0	178
Total	31	8	15	0	10	110	51	0	64	10	170	0	160	109	37	0	775
07:00 PM	8	1	2	0	3	36	12	0	11	2	37	0	30	23	6	0	171
07:15 PM	7	1	2	0	3	22	14	0	7	0	32	0	44	26	3	0	161
07:30 PM	9	0	3	0	4	28	8	0	17	3	34	0	28	32	4	0	170
07:45 PM	7	1	1	0	3	22	7	0	15	1	21	0	28	25	7	0	138
Total	31	3	8	0	13	108	41	0	50	6	124	0	130	106	20	0	640
Grand Total	130	18	40	0	53	587	245	0	236	28	633	0	633	565	136	0	3304
Apprch %	69.1	9.6	21.3	0	6	66.3	27.7	0	26.3	3.1	70.6	0	47.5	42.4	10.2	0	
Total %	3.9	0.5	1.2	0	1.6	17.8	7.4	0	7.1	0.8	19.2	0	19.2	17.1	4.1	0	

	Macy Lane From North					Old South Road From East					Airport Road From South					Old South Road From West					Int. Total
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	12	0	3	0	15	6	54	19	0	79	18	2	33	0	53	36	52	9	0	97	244
04:15 PM	6	1	2	0	9	8	52	25	0	85	11	1	40	0	52	44	44	12	0	100	246
04:30 PM	9	1	1	0	11	1	64	22	0	87	21	0	35	0	56	44	41	12	0	97	251
04:45 PM	5	2	4	0	11	4	37	19	0	60	20	3	47	0	70	40	51	8	0	99	240
Total Volume	32	4	10	0	46	19	207	85	0	311	70	6	155	0	231	164	188	41	0	393	981
% App. Total	69.6	8.7	21.7	0		6.1	66.6	27.3	0		30.3	2.6	67.1	0		41.7	47.8	10.4	0		
PHF	.667	.500	.625	.000	.767	.594	.809	.850	.000	.894	.833	.500	.824	.000	.825	.932	.904	.854	.000	.983	.977



N/S: Macy Lane/ Airport Road  
 E/W: Old South Road  
 City, State: Nantucket, MA  
 Client: Jacobs/ P. Vasiliou



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File Name : 133493 AA  
 Site Code : E2X67300  
 Start Date : 8/30/2013  
 Page No : 1

Groups Printed- Heavy Vehicles

	Macy Lane From North				Old South Road From East				Airport Road From South				Old South Road From West				Int. Total
Start Time	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
04:00 PM	0	0	0	0	0	0	1	0	0	0	1	0	2	3	0	0	7
04:15 PM	1	0	0	0	0	1	0	0	0	0	1	0	1	3	0	0	7
04:30 PM	1	0	0	0	0	2	0	0	0	0	1	0	1	3	1	0	9
04:45 PM	0	0	0	0	0	2	0	0	0	0	0	0	2	1	0	0	5
Total	2	0	0	0	0	5	1	0	0	0	3	0	6	10	1	0	28
05:00 PM	0	0	0	0	0	2	1	0	0	0	1	0	3	1	2	0	10
05:15 PM	0	0	0	0	0	3	0	0	1	0	1	0	1	6	0	0	12
05:30 PM	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2
05:45 PM	0	0	0	0	0	1	1	0	0	0	0	0	2	1	0	0	5
Total	0	0	0	0	0	6	3	0	1	0	3	0	6	8	2	0	29
06:00 PM	0	0	0	0	0	0	0	0	2	0	1	0	1	2	0	0	6
06:15 PM	0	0	0	0	0	1	0	0	1	0	0	0	2	3	0	0	7
06:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
06:45 PM	0	0	0	0	0	2	0	0	0	0	0	0	1	1	0	0	4
Total	0	0	0	0	0	3	0	0	3	0	1	0	5	6	0	0	18
07:00 PM	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	4
07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3
07:45 PM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Total	1	0	0	0	2	3	0	0	0	0	0	0	0	5	0	0	11
Grand Total	3	0	0	0	2	17	4	0	4	0	7	0	17	29	3	0	86
Apprch %	100	0	0	0	8.7	73.9	17.4	0	36.4	0	63.6	0	34.7	59.2	6.1	0	
Total %	3.5	0	0	0	2.3	19.8	4.7	0	4.7	0	8.1	0	19.8	33.7	3.5	0	

	Macy Lane From North					Old South Road From East					Airport Road From South					Old South Road From West					Int. Total
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	1	0	0	0	1	0	2	0	0	2	0	0	1	0	1	1	3	1	0	5	9
04:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2	1	0	0	3	5
05:00 PM	0	0	0	0	0	0	2	1	0	3	0	0	1	0	1	3	1	2	0	6	10
05:15 PM	0	0	0	0	0	0	3	0	0	3	1	0	1	0	2	1	6	0	0	7	12
Total Volume	1	0	0	0	1	0	9	1	0	10	1	0	3	0	4	7	11	3	0	21	36
% App. Total	100	0	0	0		0	90	10	0		25	0	75	0		33.3	52.4	14.3	0		
PHF	.250	.000	.000	.000	.250	.000	.750	.250	.000	.833	.250	.000	.750	.000	.500	.583	.458	.375	.000	.750	.750

N/S: Macy Lane/ Airport Road

E/W: Old South Road

City, State: Nantucket, MA

Client: Jacobs/ P. Vasiliou



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File Name : 133493 AA

Site Code : E2X67300

Start Date : 8/30/2013

Page No : 1

Groups Printed- Cars - Heavy Vehicles

	Macy Lane From North				Old South Road From East				Airport Road From South				Old South Road From West				Int. Total
Start Time	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
04:00 PM	12	0	3	0	6	54	20	0	18	2	34	0	38	55	9	0	251
04:15 PM	7	1	2	0	8	53	25	0	11	1	41	0	45	47	12	0	253
04:30 PM	10	1	1	0	1	66	22	0	21	0	36	0	45	44	13	0	260
04:45 PM	5	2	4	0	4	39	19	0	20	3	47	0	42	52	8	0	245
Total	34	4	10	0	19	212	86	0	70	6	158	0	170	198	42	0	1009
05:00 PM	5	0	0	0	1	48	17	0	9	2	42	0	39	48	9	0	220
05:15 PM	10	0	2	0	3	42	21	0	12	2	51	0	56	47	7	0	253
05:30 PM	6	2	2	0	4	35	16	0	15	0	49	0	46	41	11	0	227
05:45 PM	15	1	3	0	3	43	17	0	17	2	45	0	44	34	13	0	237
Total	36	3	7	0	11	168	71	0	53	6	187	0	185	170	40	0	937
06:00 PM	7	2	3	0	2	30	10	0	19	0	39	0	51	31	7	0	201
06:15 PM	5	2	5	0	2	19	16	0	10	3	41	0	46	30	14	0	193
06:30 PM	7	3	3	0	5	37	12	0	19	3	51	0	35	35	7	0	217
06:45 PM	12	1	4	0	1	27	13	0	19	4	40	0	33	19	9	0	182
Total	31	8	15	0	10	113	51	0	67	10	171	0	165	115	37	0	793
07:00 PM	9	1	2	0	5	37	12	0	11	2	37	0	30	23	6	0	175
07:15 PM	7	1	2	0	3	22	14	0	7	0	32	0	44	28	3	0	163
07:30 PM	9	0	3	0	4	28	8	0	17	3	34	0	28	35	4	0	173
07:45 PM	7	1	1	0	3	24	7	0	15	1	21	0	28	25	7	0	140
Total	32	3	8	0	15	111	41	0	50	6	124	0	130	111	20	0	651
Grand Total	133	18	40	0	55	604	249	0	240	28	640	0	650	594	139	0	3390
Apprch %	69.6	9.4	20.9	0	6.1	66.5	27.4	0	26.4	3.1	70.5	0	47	43	10.1	0	
Total %	3.9	0.5	1.2	0	1.6	17.8	7.3	0	7.1	0.8	18.9	0	19.2	17.5	4.1	0	
Cars	130	18	40	0	53	587	245	0	236	28	633	0	633	565	136	0	3304
% Cars	97.7	100	100	0	96.4	97.2	98.4	0	98.3	100	98.9	0	97.4	95.1	97.8	0	97.5
Heavy Vehicles	3	0	0	0	2	17	4	0	4	0	7	0	17	29	3	0	86
% Heavy Vehicles	2.3	0	0	0	3.6	2.8	1.6	0	1.7	0	1.1	0	2.6	4.9	2.2	0	2.5

	Macy Lane From North					Old South Road From East					Airport Road From South					Old South Road From West					Int. Total
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
04:00 PM	12	0	3	0	15	6	54	20	0	80	18	2	34	0	54	38	55	9	0	102	251
04:15 PM	7	1	2	0	10	8	53	25	0	86	11	1	41	0	53	45	47	12	0	104	253
04:30 PM	10	1	1	0	12	1	66	22	0	89	21	0	36	0	57	45	44	13	0	102	260
04:45 PM	5	2	4	0	11	4	39	19	0	62	20	3	47	0	70	42	52	8	0	102	245
Total Volume	34	4	10	0	48	19	212	86	0	317	70	6	158	0	234	170	198	42	0	410	1009
% App. Total	70.8	8.3	20.8	0		6	66.9	27.1	0		29.9	2.6	67.5	0		41.5	48.3	10.2	0		
PHF	.708	.500	.625	.000	.800	.594	.803	.860	.000	.890	.833	.500	.840	.000	.836	.944	.900	.808	.000	.986	.970
Cars	32	4	10	0	46	19	207	85	0	311	70	6	155	0	231	164	188	41	0	393	981
% Cars	94.1	100	100	0	95.8	100	97.6	98.8	0	98.1	100	100	98.1	0	98.7	96.5	94.9	97.6	0	95.9	97.2
Heavy Vehicles	2	0	0	0	2	0	5	1	0	6	0	0	3	0	3	6	10	1	0	17	28
% Heavy Vehicles	5.9	0	0	0	4.2	0	2.4	1.2	0	1.9	0	0	1.9	0	1.3	3.5	5.1	2.4	0	4.1	2.8

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 04:00 PM

N/S: Macy Lane/ Airport Road  
 E/W: Old South Road  
 City, State: Nantucket, MA  
 Client: Jacobs/ P. Vasiliou



PRECISION  
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File Name : 133493 AA  
 Site Code : E2X67300  
 Start Date : 8/30/2013  
 Page No : 1

Groups Printed- Peds and Bikes

	Macy Lane From North				Old South Road From East				Airport Road From South				Old South Road From West				Int. Total
Start Time	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
04:00 PM	0	0	0	4	0	0	0	6	0	0	0	0	0	0	0	0	10
04:15 PM	0	0	0	9	0	0	0	5	0	0	0	0	0	0	0	0	14
04:30 PM	0	0	1	12	0	0	0	10	0	0	0	0	0	0	0	0	23
04:45 PM	0	0	2	11	1	0	0	1	0	0	0	0	0	0	0	0	15
Total	0	0	3	36	1	0	0	22	0	0	0	0	0	0	0	0	62
05:00 PM	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
05:15 PM	0	0	0	12	0	0	1	5	0	0	0	0	1	0	0	0	19
05:30 PM	0	0	0	9	0	0	0	12	0	0	0	0	0	0	0	0	21
05:45 PM	0	0	0	8	0	1	0	8	0	0	0	1	0	0	0	0	18
Total	0	0	0	37	0	1	1	25	0	0	0	1	1	0	0	0	66
06:00 PM	0	0	0	6	0	0	0	12	0	0	0	0	0	0	0	0	18
06:15 PM	0	0	0	9	0	0	0	6	0	0	0	0	0	0	0	0	15
06:30 PM	0	0	0	17	0	0	0	15	0	0	0	0	0	0	0	0	32
06:45 PM	0	0	0	15	0	0	0	8	0	0	0	0	0	0	0	0	23
Total	0	0	0	47	0	0	0	41	0	0	0	0	0	0	0	0	88
07:00 PM	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	6
07:15 PM	0	0	0	11	0	0	0	4	0	0	0	0	0	0	0	0	15
07:30 PM	0	0	0	1	0	0	0	9	0	0	0	0	0	0	0	0	10
07:45 PM	0	0	0	7	0	0	0	8	0	0	0	0	0	0	0	0	15
Total	0	0	0	22	0	0	0	24	0	0	0	0	0	0	0	0	46
Grand Total	0	0	3	142	1	1	1	112	0	0	0	1	1	0	0	0	262
Apprch %	0	0	2.1	97.9	0.9	0.9	0.9	97.4	0	0	0	100	100	0	0	0	
Total %	0	0	1.1	54.2	0.4	0.4	0.4	42.7	0	0	0	0.4	0.4	0	0	0	

	Macy Lane From North					Old South Road From East					Airport Road From South					Old South Road From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	0	0	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
05:15 PM	0	0	0	12	12	0	0	1	5	6	0	0	0	0	0	1	0	0	0	1	19
05:30 PM	0	0	0	9	9	0	0	0	12	12	0	0	0	0	0	0	0	0	0	0	21
05:45 PM	0	0	0	8	8	0	1	0	8	9	0	0	0	1	1	0	0	0	0	0	18
Total Volume	0	0	0	37	37	0	1	1	25	27	0	0	0	1	1	1	0	0	0	1	66
% App. Total	0	0	0	100		0	3.7	3.7	92.6		0	0	0	100		100	0	0	0		
PHF	.000	.000	.000	.771	.771	.000	.250	.250	.521	.563	.000	.000	.000	.250	.250	.250	.000	.000	.000	.250	.786

N/S: Macy Lane/ Airport Road  
 E/W: Old South Road  
 City, State: Nantucket, MA  
 Client: Jacobs/ P. Vasilou

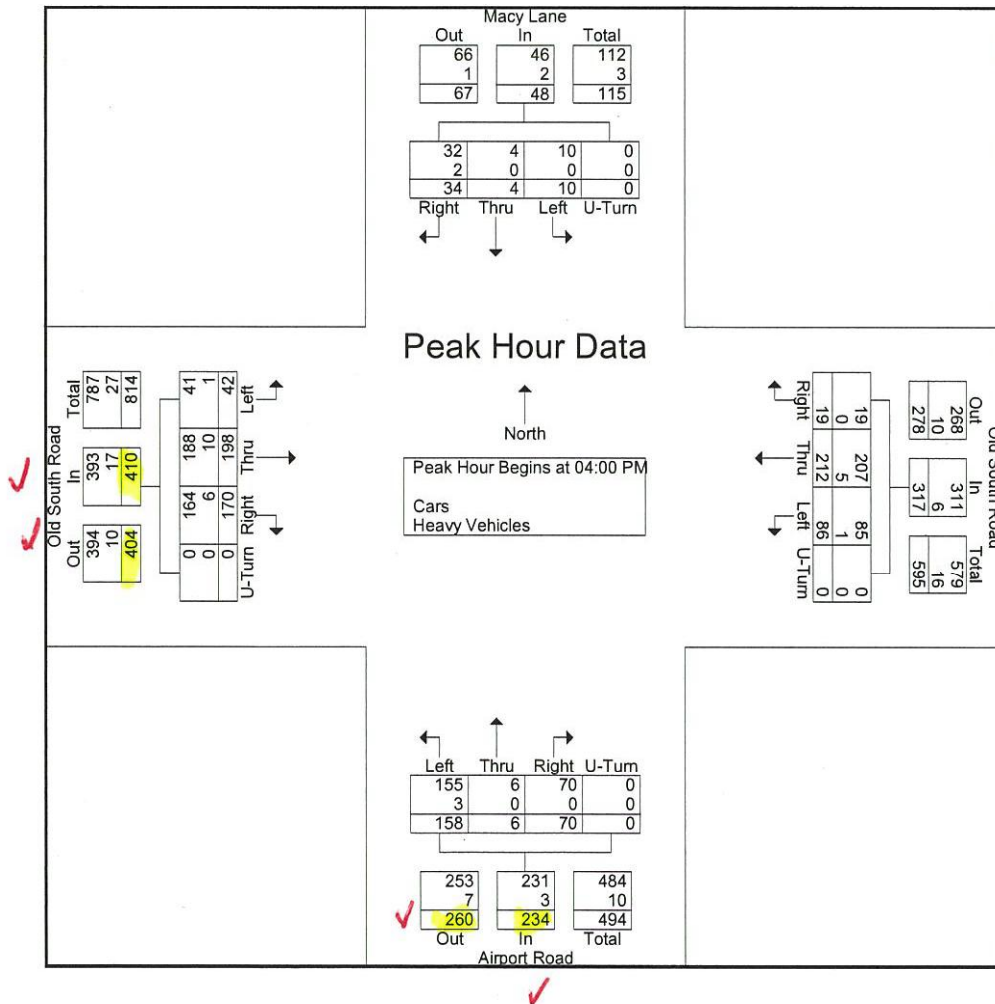


PRECISION  
 DATA  
 INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
 Office: 508.481.3999 Fax: 508.545.1234  
 Email: datarequests@pdillc.com

File Name : 133493 AA  
 Site Code : E2X67300  
 Start Date : 8/30/2013  
 Page No : 1

	Macy Lane From North					Old South Road From East					Airport Road From South					Old South Road From West					
Start Time	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Int. Total
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	12	0	3	0	15	6	54	20	0	80	18	2	34	0	54	38	55	9	0	102	251
04:15 PM	7	1	2	0	10	8	53	25	0	86	11	1	41	0	53	45	47	12	0	104	253
04:30 PM	10	1	1	0	12	1	66	22	0	89	21	0	36	0	57	45	44	13	0	102	260
04:45 PM	5	2	4	0	11	4	39	19	0	62	20	3	47	0	70	42	52	8	0	102	245
Total Volume	34	4	10	0	48	19	212	86	0	317	70	6	158	0	234	170	198	42	0	410	1009
% App. Total	70.8	8.3	20.8	0		6	66.9	27.1	0		29.9	2.6	67.5	0		41.5	48.3	10.2	0		
PHF	.708	.500	.625	.000	.800	.594	.803	.860	.000	.890	.833	.500	.840	.000	.836	.944	.900	.808	.000	.986	.970
Cars	32	4	10	0	46	19	207	85	0	311	70	6	155	0	231	164	188	41	0	393	981
% Cars	94.1	100	100	0	95.8	100	97.6	98.8	0	98.1	100	100	98.1	0	98.7	96.5	94.9	97.6	0	95.9	97.2
Heavy Vehicles	2	0	0	0	2	0	5	1	0	6	0	0	3	0	3	6	10	1	0	17	28
% Heavy Vehicles	5.9	0	0	0	4.2	0	2.4	1.2	0	1.9	0	0	1.9	0	1.3	3.5	5.1	2.4	0	4.1	2.8



Nantucket Airport Exit Driveways  
east of Macy Lane  
City, State: Nantucket, MA  
Client: Jacobs/ P. Vasiliou



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133493 A Volume  
Site Code: E2X67300-B29  
Date Start: 30-Aug-13

FRI

Start Time	Main Exit WB		Rental Car Exit WB		Combin ed		30-Aug- 13 Fri	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		
12:00	0	38	0	6	0	44		
12:15	1	44	0	4	1	48		
12:30	2	42	0	6	2	48		
12:45	0	48	0	3	0	51	191	
01:00	0	52	0	8	0	60		
01:15	0	66	0	11	0	77		
01:30	0	50	0	8	0	58		
01:45	0	36	0	6	0	42		
02:00	0	34	0	2	0	36		
02:15	0	52	0	8	0	60		
02:30	0	72	0	0	0	72		
02:45	0	69	0	2	0	71		
03:00	0	76	0	12	0	88		
03:15	0	36	0	9	0	45		
03:30	0	35	0	1	0	36		
03:45	0	30	0	0	0	30	199	
04:00	0	26	0	3	0	29		
04:15	0	34	0	3	0	37		
04:30	1	28	0	2	1	30		
04:45	0	35	0	2	0	37	133	
05:00	3	28	0	2	3	30		
05:15	1	26	0	8	1	34		
05:30	2	30	0	3	2	33		
05:45	4	32	0	7	4	39	136	
06:00	8	24	0	4	8	28		
06:15	4	28	2	4	6	32		
06:30	8	48	0	2	8	50		
06:45	12	34	0	2	12	36		
07:00	17	26	1	0	18	26		
07:15	12	26	2	0	14	26		
07:30	13	40	2	4	15	44		
07:45	26	16	6	2	32	18	114	
08:00	28	24	5	0	33	24		
08:15	22	16	4	0	26	16		
08:30	38	15	3	1	41	16		
08:45	52	18	4	2	56	20	76	
09:00	68	10	4	0	72	10		
09:15	60	17	6	0	66	17		
09:30	24	10	4	0	28	10		
09:45	17	12	2	2	19	14	51	
10:00	30	7	5	1	35	8		
10:15	26	3	4	0	30	3		
10:30	29	5	4	0	33	5		
10:45	36	0	5	0	41	0	16	
11:00	34	2	8	2	42	4		
11:15	30	2	4	0	34	2		
11:30	32	0	2	0	34	0		
11:45	34	0	8	0	42	0	6	
Total	674	1402	85	142	759	1544		
Percent	88.8%	90.8%	11.2%	9.2%				
Day Total	2076		227		2303			
Peak	08:30	-	02:15	-	11:00	-	08:30	-
Vol.	218	-	269	-	22	-	235	-
P.H.F.	0.801	-	0.885	-	0.688	-	0.816	-



Nantucket Airport Exit Driveways  
east of Macy Lane  
City, State: Nantucket, MA  
Client: Jacobs/ P. Vasiliou



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133493 A Volume  
Site Code: E2X67300-B29  
Date Start: 30-Aug-13

Start	Main Exit WB		Rental Car Exit WB		Combin ed		31-Aug- 13 Sat	
Time	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		
12:00	0	37	0	2	0	39		
12:15	2	62	0	10	2	72		
12:30	0	44	0	6	0	50		
12:45	0	32	0	18	0	50	211	
01:00	0	48	0	8	0	56		
01:15	0	57	0	10	0	67		
01:30	1	32	0	12	1	44		
01:45	0	28	0	12	0	40	207	
02:00	0	54	0	8	0	62		
02:15	0	31	0	4	0	35		
02:30	0	73	0	6	0	79		
02:45	0	38	0	16	0	54	230	mid
03:00	0	26	0	10	0	36		
03:15	0	26	0	5	0	31		
03:30	0	27	0	3	0	30		
03:45	0	20	0	2	0	22	119	
04:00	0	22	0	3	0	25		
04:15	0	14	0	0	0	14		
04:30	1	20	0	4	1	24		
04:45	0	10	0	5	0	15	78	
05:00	2	18	0	4	2	22		
05:15	3	17	0	1	3	18		
05:30	2	14	0	3	2	17		
05:45	1	15	2	4	3	19	76	
06:00	1	12	0	5	1	17		
06:15	0	10	2	0	2	10		
06:30	6	10	0	0	6	10		
06:45	4	14	1	2	5	16	53	
07:00	10	13	0	5	10	18		
07:15	14	12	1	2	15	14		
07:30	8	14	3	0	11	14		
07:45	16	9	2	0	18	9	55	
08:00	20	7	8	1	28	8		
08:15	23	11	6	2	29	13		
08:30	35	5	2	0	37	5		
08:45	40	4	10	0	50	4	30	
09:00	74	3	12	0	86	3		
09:15	60	2	4	0	64	2		
09:30	39	4	10	0	49	4		
09:45	26	4	4	0	30	4	13	
10:00	36	3	8	1	44	4		
10:15	30	1	4	0	34	1		
10:30	32	0	10	0	42	0		
10:45	30	0	10	0	40	0	5	
11:00	48	0	10	0	58	0		
11:15	42	2	6	0	48	2		
11:30	58	0	13	0	71	0		
11:45	54	0	1	0	55	0	2	
Total	718	905	129	174	847	1079		
Percent	84.8%	83.9%	15.2%	16.1%				
Day Total	1623		303		1926			
Peak	08:45	-	02:00	-	10:45	-	00:45	-
Vol.	213	-	196	-	39	-	48	-
P.H.F.	0.720		0.671		0.750		0.667	

Nantucket Airport Exit Driveways  
east of Macy Lane  
City, State: Nantucket, MA  
Client: Jacobs/ P. Vasiliou



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133493 A Volume  
Site Code: E2X67300-B29  
Date Start: 30-Aug-13

Start Time	Main Exit WB		Rental Car Exit WB		Combin ed		01-Sep- 13 Sun	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		
12:00	0	41	0	5	0	46		
12:15	0	26	0	2	0	28		
12:30	0	42	0	4	0	46		
12:45	0	39	0	3	0	42	162	
01:00	0	40	0	4	0	44		
01:15	0	32	0	14	0	46		
01:30	0	28	0	5	0	33		
01:45	1	36	0	7	1	43	166	
02:00	0	39	0	5	0	44		
02:15	2	35	0	5	2	40		
02:30	0	48	0	2	0	50		
02:45	0	54	0	8	0	62	196	mrd
03:00	0	33	0	6	0	39		
03:15	0	26	0	12	0	38		
03:30	0	22	0	2	0	24		
03:45	0	26	0	2	0	28	129	
04:00	0	22	0	8	0	30		
04:15	0	16	0	3	0	19		
04:30	0	20	0	2	0	22		
04:45	0	12	0	4	0	16	87	
05:00	0	18	0	3	0	21		
05:15	1	20	0	10	1	30		
05:30	0	23	0	3	0	26		
05:45	1	28	0	8	1	36	113	pm
06:00	4	13	0	0	4	13		
06:15	2	13	0	4	2	17		
06:30	2	15	2	6	4	21		
06:45	6	18	0	7	6	25	76	
07:00	3	14	0	6	3	20		
07:15	7	18	0	2	7	20		
07:30	18	10	0	0	18	10		
07:45	12	14	2	0	14	14	64	
08:00	17	8	4	0	21	8		
08:15	20	1	1	0	21	1		
08:30	36	5	1	0	37	5		
08:45	34	1	5	0	39	1	15	
09:00	36	10	4	0	40	10		
09:15	33	6	4	0	37	6		
09:30	23	2	0	0	23	2		
09:45	30	1	3	0	33	1	19	
10:00	27	5	6	1	33	6		
10:15	24	6	2	0	26	6		
10:30	24	6	4	0	28	6		
10:45	20	2	3	0	23	2	20	
11:00	32	0	7	0	39	0		
11:15	28	0	7	0	35	0		
11:30	31	0	12	0	43	0		
11:45	27	1	6	0	33	1	1	
Total	501	895	73	153	574	1048		
Percent	87.3%	85.4%	12.7%	14.6%				
Day Total		1396		226		1622		
Peak	08:30	-	02:00	-	11:00	-	08:30	-
Vol.	139	-	176	-	32	-	153	-
P.H.F.	0.965	-	0.815	-	0.667	-	0.956	-

Nantucket Airport Exit Driveways  
east of Macy Lane  
City, State: Nantucket, MA  
Client: Jacobs/ P. Vasiliou



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133493 A Volume  
Site Code: E2X67300-B29  
Date Start: 30-Aug-13

Start Time	Main Exit WB		Rental Car Exit WB		Combin ed		02-Sep- 13 Mon	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		
12:00	0	46	0	5	0	51		
12:15	0	42	0	1	0	43		
12:30	3	30	0	5	3	35		
12:45	0	61	0	9	0	70	199	
01:00	0	54	0	17	0	71		
01:15	0	47	0	12	0	59		
01:30	0	48	0	6	0	54		
01:45	0	64	0	5	0	69	253	
02:00	0	46	0	6	0	52		
02:15	0	44	0	5	0	49		
02:30	0	48	0	0	0	48		
02:45	0	42	0	6	0	48	197	
03:00	0	40	0	4	0	44		
03:15	0	34	0	8	0	42		
03:30	0	42	0	14	0	56		
03:45	0	38	0	12	0	50	192	
04:00	0	48	0	2	0	50		
04:15	0	36	0	2	0	38		
04:30	0	30	0	6	0	36		
04:45	3	16	0	4	3	20	144	
05:00	2	45	0	7	2	52		
05:15	3	30	0	2	3	32		
05:30	10	24	0	8	10	32		
05:45	8	28	0	8	8	36	152	
06:00	5	27	0	1	5	28		
06:15	7	18	0	3	7	21		
06:30	12	31	2	0	14	31		
06:45	6	28	0	1	6	29	109	
07:00	17	27	0	0	17	27		
07:15	11	19	0	1	11	20		
07:30	18	22	3	0	21	22		
07:45	22	26	2	1	24	27	96	
08:00	16	15	6	1	22	16		
08:15	23	5	9	0	32	5		
08:30	42	9	5	1	47	10		
08:45	29	3	7	0	36	3	34	
09:00	40	8	2	2	42	10		
09:15	31	6	8	0	39	6		
09:30	32	5	4	0	36	5		
09:45	41	1	14	0	55	1	22	
10:00	50	6	16	1	66	7		
10:15	38	5	1	2	39	7		
10:30	42	1	7	0	49	1		
10:45	58	1	16	0	74	1	16	
11:00	48	4	14	0	62	4		
11:15	38	0	8	0	46	0		
11:30	42	0	19	0	61	0		
11:45	37	1	18	0	55	1	5	
Total	734	1251	161	168	895	1419		
Percent	82.0%	88.2%	18.0%	11.8%				
Day Total		1985		329		2314		
Peak	10:00	- 01:00	- 11:00	- 00:45	- 10:45	- 00:45	-	-
Vol.	188	- 213	- 59	- 44	- 243	- 254	-	-
P.H.F.	0.810	0.832	0.776	0.647	0.821	0.894		



Nantucket Airport Entrance Driveway  
 east of Macy Lane  
 City, State: Nantucket, MA  
 Client: Jacobs/ P. Vasiliou



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 INDUSTRIES, LLC

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133493 B Volume  
 Site Code: E2X67300-B29  
 Date Start: 30-Aug-13

Start		EB		Fri 30-Aug-13									
Time	A.M.		P.M.										
12:00	0		45										
12:15	1		54										
12:30	2		38										
12:45	0	3	62	199									
01:00	0		64										
01:15	0		57										
01:30	0		50										
01:45	0	0	54	225									
02:00	0		45										
02:15	0		54										
02:30	0		86										
02:45	0	0	66	251	high	✓							
03:00	0		56										
03:15	0		31										
03:30	0		35										
03:45	0	0	24	146									
04:00	1		30										
04:15	3		37										
04:30	1		31										
04:45	1	6	32	130									
05:00	6		23										
05:15	3		36										
05:30	11		29										
05:45	13	33	33	121									
06:00	8		33										
06:15	5		40										
06:30	10		31										
06:45	22	45	26	130	pm	✓							
07:00	16		23										
07:15	22		34										
07:30	30		29										
07:45	37	105	18	104									
08:00	37		26										
08:15	34		11										
08:30	46		10										
08:45	74	191	16	63									
09:00	74		8										
09:15	46		11										
09:30	38		4										
09:45	34	192	3	26									
10:00	25		5										
10:15	25		5										
10:30	33		2										
10:45	39	122	0	12									
11:00	36		1										
11:15	33		1										
11:30	30		0										
11:45	56	155	0	2									
Total	852		1409										
Percent			100.0	0.0%	0.0%								
			%										
Day Total		2261	✓										
Peak	08:30	-	02:15	-	-	-	-	-	-	-	-	-	-
Vol.	240	-	262	-	-	-	-	-	-	-	-	-	-
P.H.F.	0.811		0.762										

Nantucket Airport Entrance Driveway  
 east of Macy Lane  
 City, State: Nantucket, MA  
 Client: Jacobs/ P. Vasilou



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133493 B Volume  
 Site Code: E2X67300-B29  
 Date Start: 30-Aug-13

Start Time	A.M.	EB	P.M.	Sat 31-Aug-13										
12:00	1		46											
12:15	1		38											
12:30	0		41											
12:45	0	2	80	205										
01:00	0		58											
01:15	1		41											
01:30	0		51											
01:45	0	1	39	189										
02:00	0		45											
02:15	0		52											
02:30	0		62											
02:45	0	0	33	192										
03:00	0		28											
03:15	0		22											
03:30	0		26											
03:45	0	0	23	99										
04:00	1		14											
04:15	4		14											
04:30	1		22											
04:45	3	9	17	67										
05:00	5		20											
05:15	4		15											
05:30	7		18											
05:45	7	23	17	70										
06:00	1		12											
06:15	4		10											
06:30	10		14											
06:45	8	23	10	46										
07:00	17		8											
07:15	28		9											
07:30	25		10											
07:45	21	91	12	39										
08:00	27		6											
08:15	42		8											
08:30	51		4											
08:45	71	191	2	20										
09:00	82		1											
09:15	48		4											
09:30	51		1											
09:45	43	224	3	9										
10:00	42		2											
10:15	42		0											
10:30	41		0											
10:45	52	177	0	2										
11:00	50		0											
11:15	60		2											
11:30	72		0											
11:45	60	242	0	2										
Total	983		940											
Percent			100.0 %		0.0%			0.0%						
Day Total		1923												
Peak	08:30	-	00:45	-	-	-	-	-	-	-	-	-	-	-
Vol.	252	-	230	-	-	-	-	-	-	-	-	-	-	-
P.H.F.	0.768		0.719											

Nantucket Airport Entrance Driveway  
east of Macy Lane  
City, State: Nantucket, MA  
Client: Jacobs/ P. Vasiliou



PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

133493 B Volume  
Site Code: E2X67300-B29  
Date Start: 30-Aug-13

Start		EB		Sun 01-Sep- 13										
Time	A.M.		P.M.											
12:00	0		35											
12:15	0		33											
12:30	0		48											
12:45	0	0	38	154										
01:00	0		44											
01:15	0		34											
01:30	1		36											
01:45	0	1	36	150										
02:00	0		60											
02:15	1		36											
02:30	0		55											
02:45	0	1	43	194										
03:00	0		30											
03:15	0		24											
03:30	0		22											
03:45	0	0	20	96										
04:00	0		26											
04:15	3		16											
04:30	0		26											
04:45	2	5	18	86										
05:00	1		17											
05:15	1		26											
05:30	7		25											
05:45	4	13	24	92										
06:00	9		10											
06:15	4		15											
06:30	10		15											
06:45	8	31	22	62										
07:00	5		10											
07:15	19		11											
07:30	21		8											
07:45	18	63	3	32										
08:00	19		6											
08:15	40		2											
08:30	57		4											
08:45	49	165	0	12										
09:00	30		6											
09:15	32		6											
09:30	29		1											
09:45	34	125	2	15										
10:00	30		1											
10:15	28		4											
10:30	33		1											
10:45	35	126	1	7										
11:00	32		0											
11:15	36		0											
11:30	40		0											
11:45	44	152	1	1										
Total	682		901											
Percent			100.0 %	0.0%	0.0%									
Day Total		1583												
Peak	08:15	-	02:00	-	-	-	-	-	-	-	-	-	-	-
Vol.	176	-	194	-	-	-	-	-	-	-	-	-	-	-
P.H.F.	0.772		0.808											

Nantucket Airport Entrance Driveway  
east of Macy Lane  
City, State: Nantucket, MA  
Client: Jacobs/ P. Vasilou



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133493 B Volume  
Site Code: E2X67300-B29  
Date Start: 30-Aug-13

Start		EB		Mon 02-Sep-13										
Time	A.M.		P.M.											
12:00	0		54											
12:15	1		38											
12:30	2		43											
12:45	0	3	72	207										
01:00	0		68											
01:15	0		62											
01:30	0		55											
01:45	0	0	52	237	mid									
02:00	0		38											
02:15	0		54											
02:30	0		46											
02:45	0	0	44	182										
03:00	0		44											
03:15	0		48											
03:30	0		50											
03:45	0	0	47	189										
04:00	0		35											
04:15	3		41											
04:30	4		31											
04:45	6	13	23	130										
05:00	4		37											
05:15	6		36											
05:30	20		32											
05:45	10	40	24	129										
06:00	16		19											
06:15	10		22											
06:30	17		26											
06:45	9	52	22	89										
07:00	19		22											
07:15	25		24											
07:30	32		21											
07:45	24	100	14	81										
08:00	28		6											
08:15	32		5											
08:30	53		8											
08:45	48	161	1	20										
09:00	48		2											
09:15	49		3											
09:30	51		2											
09:45	43	191	2	9										
10:00	57		1											
10:15	50		2											
10:30	57		1											
10:45	57	221	0	4										
11:00	49		1											
11:15	54		0											
11:30	56		1											
11:45	56	215	0	2										
Total	996		1279											
Percent			100.0	0.0%	0.0%									
			%											
Day Total		2275												
Peak	10:00	-	00:45	-	-	-	-	-	-	-	-	-	-	-
Vol.	221	-	257	-	-	-	-	-	-	-	-	-	-	-
P.H.F.	0.969		0.892											

# Capacity Analysis

Intersection	
Intersection Delay, s/veh	16.7
Intersection LOS	C

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SEB
Vol, veh/h	21	159	172	65	158	7	195	3	86	6	4	19
Peak Hour Factor	0.88	0.88	0.88	0.79	0.79	0.79	0.75	0.75	0.75	0.66	0.66	0.66
Heavy Vehicles, %	5	5	5	10	10	10	2	2	2	3	3	3
Mvmt Flow	24	181	195	82	200	9	260	4	115	9	6	29
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	17.2	15	18.2	10.1
HCM LOS	C	B	C	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	69%	6%	28%	21%
Vol Thru, %	1%	45%	69%	14%
Vol Right, %	30%	49%	3%	66%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	284	352	230	29
LT Vol	3	159	158	4
Through Vol	86	172	7	19
RT Vol	195	21	65	6
Lane Flow Rate	379	400	291	44
Geometry Grp	1	1	1	1
Degree of Util (X)	0.62	0.615	0.492	0.08
Departure Headway (Hd)	5.898	5.537	6.087	6.547
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	610	648	588	551
Service Time	3.979	3.621	4.18	4.547
HCM Lane V/C Ratio	0.621	0.617	0.495	0.08
HCM Control Delay	18.2	17.2	15	10.1
HCM Lane LOS	C	C	B	B
HCM 95th-tile Q	4.3	4.2	2.7	0.3

Notes	
~ : Volume Exceeds Capacity; \$ : Delay Exceeds 300 Seconds; Error : Computation Not Defined	

Intersection						
Intersection Delay, s/veh	4.6					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Vol, veh/h	0	0	130	1	251	62
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	0	141	1	273	67
Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	755	142	0	0	142	0
Stage 1	142	-	-	-	-	-
Stage 2	613	-	-	-	-	-
Follow-up Headway	3.518	3.318	-	-	2.218	-
Pot Capacity-1 Maneuver	376	906	-	-	1441	-
Stage 1	885	-	-	-	-	-
Stage 2	541	-	-	-	-	-
Time blocked-Platoon, %	-	-	-	-	-	-
Mov Capacity-1 Maneuver	302	906	-	-	1441	-
Mov Capacity-2 Maneuver	302	-	-	-	-	-
Stage 1	885	-	-	-	-	-
Stage 2	434	-	-	-	-	-
Approach	WB	NB	SB			
HCM Control Delay, s	0	0	6.5			
HCM LOS	A					
Minor Lane/Major Mvmt	NBT	NBR	WBLm1	SBL	SBT	
Capacity (veh/h)	-	-	0	1441	-	
HCM Lane V/C Ratio	-	-	+	0.189	-	
HCM Control Delay (s)	-	-	0	8.081	0	
HCM Lane LOS			A	A	A	
HCM 95th %tile Q(veh)	-	-	+	0.697	-	
Notes						
~ : Volume Exceeds Capacity; \$ : Delay Exceeds 300 Seconds; Error : Computation Not Defined						

Intersection						
Intersection Delay, s/veh	3.7					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Vol, veh/h	1	239	130	0	0	313
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1	260	141	0	0	340
Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	481	141	0	0	141	0
Stage 1	141	-	-	-	-	-
Stage 2	340	-	-	-	-	-
Follow-up Headway	3.518	3.318	-	-	2.218	-
Pot Capacity-1 Maneuver	544	907	-	-	1442	-
Stage 1	886	-	-	-	-	-
Stage 2	721	-	-	-	-	-
Time blocked-Platoon, %	-	-	-	-	-	-
Mov Capacity-1 Maneuver	544	907	-	-	1442	-
Mov Capacity-2 Maneuver	544	-	-	-	-	-
Stage 1	886	-	-	-	-	-
Stage 2	721	-	-	-	-	-
Approach	WB		NB		SE	
HCM Control Delay, s	10.6		0		0	
HCM LOS	B					
Minor Lane / Major Mvmt	NBT	NBR	WBLn1	SBL	SBT	
Capacity (veh/h)	-	-	904	1442	-	
HCM Lane V/C Ratio	-	-	0.289	-	-	
HCM Control Delay (s)	-	-	10.6	0	-	
HCM Lane LOS	-	-	B	A	-	
HCM 95th %tile Q(veh)	-	-	1.199	0	-	
Notes						
~ : Volume Exceeds Capacity; \$ : Delay Exceeds 300 Seconds; Error : Computation Not Defined						



Intersection												
Intersection Delay, s/veh	15.6											
Intersection LOS	C											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	42	198	170	86	212	19	158	6	70	10	4	34
Peak Hour Factor	0.99	0.99	0.99	0.89	0.89	0.89	0.84	0.84	0.84	0.80	0.80	0.80
Heavy Vehicles, %	4	4	4	2	2	2	1	1	1	4	4	4
Mvmt Flow	42	200	172	97	238	21	188	7	83	12	5	42
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Approach	EB	WB	NB	SB
Opposing Approach	WB	EB	SB	NB
Opposing Lanes	1	1	1	1
Conflicting Approach Left	SB	NB	EB	WB
Conflicting Lanes Left	1	1	1	1
Conflicting Approach Right	NB	SB	WB	EB
Conflicting Lanes Right	1	1	1	1
HCM Control Delay	17	15.8	14.4	10.2
HCM LOS	C	C	B	B

Lane	NBLn1	EBLn1	WBLn1	SBLn1
Vol Left, %	68%	10%	27%	21%
Vol Thru, %	3%	48%	67%	8%
Vol Right, %	30%	41%	6%	71%
Sign Control	Stop	Stop	Stop	Stop
Traffic Vol by Lane	234	410	317	48
LT Vol	6	198	212	4
Through Vol	70	170	19	34
RT Vol	158	42	86	10
Lane Flow Rate	279	414	356	60
Geometry Grp	1	1	1	1
Degree of Util (X)	0.468	0.62	0.561	0.107
Departure Headway (Hd)	6.042	5.387	5.666	6.438
Convergence, Y/N	Yes	Yes	Yes	Yes
Cap	591	667	630	560
Service Time	4.127	3.464	3.747	4.438
HCM Lane V/C Ratio	0.472	0.621	0.565	0.107
HCM Control Delay	14.4	17	15.8	10.2
HCM Lane LOS	B	C	C	B
HCM 95th-tile Q	2.5	4.3	3.5	0.4

Notes

~ : Volume Exceeds Capacity; \$ : Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection						
Intersection Delay, s/veh	2.7					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Vol, veh/h	0	0	100	1	130	143
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	0	109	1	141	155
Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	547	109	0	0	110	0
Stage 1	109	-	-	-	-	-
Stage 2	438	-	-	-	-	-
Follow-up Headway	3.518	3.318	-	-	2.218	-
Pot Capacity-1 Maneuver	498	945	-	-	1480	-
Stage 1	916	-	-	-	-	-
Stage 2	651	-	-	-	-	-
Time blocked-Platoon, %	-	-	-	-	-	-
Mov Capacity-1 Maneuver	446	945	-	-	1480	-
Mov Capacity-2 Maneuver	446	-	-	-	-	-
Stage 1	916	-	-	-	-	-
Stage 2	583	-	-	-	-	-
Approach	WB	NB	SB			
HCM Control Delay, s	0	0	3.7			
HCM LOS	A					
Minor Lane / Major Mvmt	NBT	NBR	WBLn1	SBL	SBT	
Capacity (veh/h)	-	-	0	1480	-	
HCM Lane V/C Ratio	-	-	+	0.095	-	
HCM Control Delay (s)	-	-	0	7.689	0	
HCM Lane LOS	-	-	A	A	A	
HCM 95th %tile Q(veh)	-	-	+	0.316	-	
Notes						
~ : Volume Exceeds Capacity; \$ : Delay Exceeds 300 Seconds; Error : Computation Not Defined						

Intersection						
Intersection Delay, s/veh	2.7					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Vol, veh/h	1	146	100	0	0	273
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1	159	109	0	0	297
Major/Minor	Minor1	Major1	Major2	Minor2	Minor3	Minor4
Conflicting Flow All	406	109	0	0	109	0
Stage 1	109	-	-	-	-	-
Stage 2	297	-	-	-	-	-
Follow-up Headway	3.518	3.318	-	-	2.218	-
Pot Capacity-1 Maneuver	601	945	-	-	1481	-
Stage 1	916	-	-	-	-	-
Stage 2	754	-	-	-	-	-
Time blocked-Platoon, %	-	-	-	-	-	-
Mov Capacity-1 Maneuver	601	945	-	-	1481	-
Mov Capacity-2 Maneuver	601	-	-	-	-	-
Stage 1	916	-	-	-	-	-
Stage 2	754	-	-	-	-	-
Approach	WB	NB	SB	WB	NB	SB
HCM Control Delay, s	9.6	0	0	9.6	0	0
HCM LOS	A			A		
Minor Lane / Major Mvmt	NBT	NBR	WBLn1	SBL	SBT	
Capacity (veh/h)	-	-	941	1481	-	
HCM Lane V/C Ratio	-	-	0.17	-	-	
HCM Control Delay (s)	-	-	9.6	0	-	
HCM Lane LOS	-	-	A	A	-	
HCM 95th %tile Q(veh)	-	-	0.61	0	-	
Notes						
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# Crash Data



